

Converting Colors

Yxy(31.8182, 0.4983, 0.4122)

Have a look what the booklet for
Yxy(31.8182, 0.4983, 0.4122)
contains.

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Color

Yxy(31.8182, 0.4983, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	DD8330
RGB	221, 131, 48
RGB Percent	87%, 51%, 19%
CMY	0.1334, 0.4862, 0.8118
CMYK	0.00, 0.41, 0.78, 0.13
HSL	29°, 72%, 53%
HSV	29°, 78%, 87%
XYZ	38.4644, 31.8182, 6.9086
YIQ	148.4480, 80.2830, -6.7330

Conversions

Conversions Part 2

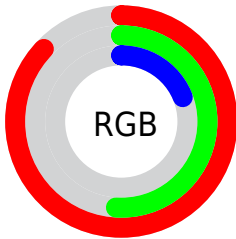
Format	Color
R _Y B	221, 208, 48
Decimal	14517040
CIE Lab	63.19, 28.49, 56.77
CIE LCh	63, 63.517, 63.349
Yxy	31.8182, 0.4983, 0.4122
Android (android.graphics.Color)	4292707120 (0xFFDD8330)
YUV	148.4480, -49.5209, 63.6281
Hunter-Lab	56.4076, 23.0058, 32.2237

Details

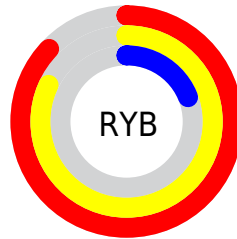
The Yxy color **31.8182, 0.4983, 0.4122** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle muted orange. A complement of this color would be **24.0098, 0.1959, 0.2015**, and the grayscale version is **29.9983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8780, 0.4425, 0.4134**, and **13.3584, 0.5373, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **28.7625, 0.5236, 0.4108**, and if you desaturate by 10%, it is **35.3104, 0.4704, 0.4084**.

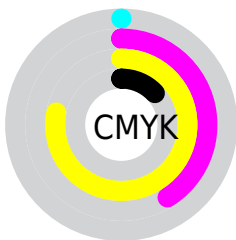
Distribution



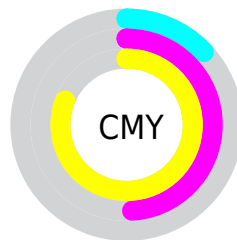
- Red (87%)
- Green (51%)
- Blue (19%)



- Red (87%)
- Yellow (82%)
- Blue (19%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (13%)





- Cyan (13%)
- Magenta (49%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8182, 0.4983, 0.4122 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.8182, 0.4983, 0.4122 by changing the saturation by 10% instead.


 31.8182, 0.4983,
0.4122


 31.8182, 0.4983,
0.4122


310.2903, 0.4046,
0.3795

 21.2227, 0.5193,
0.4155


 62.5260, 0.4655,
0.4035


 13.2869, 0.5439,
0.4165


 83.4070, 0.4526,
0.3992


 7.6264, 0.5801,
0.4181


 108.4854, 0.4417,
0.3952

 3.8568, 0.6027,
0.3973

 138.1454, 0.4322,
0.3915

 1.5938, 0.6368,
0.3632

 172.7715, 0.4239,
0.3881

 0.3534, 0.7475,
0.2525

 212.7481, 0.4167,

 0.0000, 0.0000,

0.3849

0.0000

258.4595, 0.4103,
0.3821

■ 31.8182, 0.4983,
0.4122

■ 31.8182, 0.4983,
0.4122

■ 28.7625, 0.5236,
0.4108

■ 35.3104, 0.4704,
0.4084

■ 26.1099, 0.5449,
0.4042

■ 39.2567, 0.4418,
0.4005

■ 25.6905, 0.5484,
0.4028

■ 43.6790, 0.4141,
0.3897

■ 48.5959, 0.3883,
0.3774

■ 54.0247, 0.3649,
0.3644

■ 59.9819, 0.3442,
0.3514

■ 66.4829, 0.3260,
0.3388

■ 73.5426, 0.3102,
0.3270

■ 81.1752, 0.2964,
0.3160

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8182, 0.5030, 0.3430



31.8182, 0.4983, 0.4122



31.8182, 0.4407, 0.4791

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.8182, 0.4983, 0.4122



31.8182, 0.1905, 0.3713



31.8182, 0.2454, 0.1927

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.8182, 0.4983, 0.4122



24.0098, 0.1959, 0.2015

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.8182, 0.1818, 0.1851



31.8182, 0.4983, 0.4122



31.8182, 0.1536, 0.2682

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.8182, 0.4983, 0.4122



31.8182, 0.2635, 0.4784



31.8182, 0.1518, 0.2074



31.8182, 0.3404, 0.2257

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.8182, 0.4983, 0.4122



31.8182, 0.3854, 0.5102



31.8182, 0.1518, 0.2074



31.8182, 0.2203, 0.1872

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.8199, 0.4983, 0.4122



78.8420, 0.3540, 0.3577



19.3828, 0.4356, 0.2370



16.2431, 0.3617, 0.3624



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8199, 0.4983, 0.4122



37.3533, 0.5378, 0.4070



64.2931, 0.4166, 0.4896



14.0776, 0.3280, 0.3402



15.1511, 0.5459, 0.4048



1.1535, 0.5199, 0.4254

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.0098, 0.1959, 0.2015



26.0663, 0.1819, 0.1716



8.4627, 0.1670, 0.0908



13.7319, 0.2982, 0.3175



10.3743, 0.1793, 0.1653



0.8444, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 31.8182, 0.4983, 0.4122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.8182, 0.4983, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8182, 0.4983, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 31.8182, 0.4983, 0.4122.



This preview shows how white text looks on a background with the Yxy color 31.8182, 0.4983, 0.4122.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.8182, 0.4983, 0.4122

Protanopia

32.0355, 0.4193, 0.4630

Deuteranopia

32.0696, 0.4573, 0.4483



Tritanopia

31.8394, 0.4235, 0.3188

Trichromacy



Original Color

31.8182, 0.4983, 0.4122

Protanomaly

31.6245, 0.4479, 0.4443

Deuteranomaly

31.9357, 0.4719, 0.4352

Tritanomaly

31.7086, 0.4579, 0.3581

Monochromacy



Original Color

31.8182, 0.4983, 0.4122

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6298, 0.3815, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8182, 0.4983, 0.4122 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 131, 48)` looks like.

```
.text, #text, p{  
    color:rgb(221, 131, 48)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 131, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 131, 48) }
```

Border

The CSS property to change the border of an element to Yxy 31.8182, 0.4983, 0.4122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 131, 48) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(221, 131, 48) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 131, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 131, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 131, 48);  
box-shadow:4px 4px 4px 4px rgb(221, 131,  
48) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.8182, 0.4983, 0.4122$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 131, 48) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
131, 48) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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